

PLATE I
SURFICIAL GEOLOGIC MAP

ALONG ROUTE 28

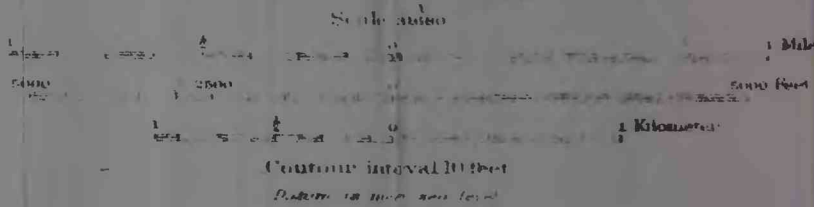
IN THE

TAUNTON AND BRIDGEWATER QUADRANGLES, MASS.

SHOWING DISTRIBUTION OF SOIL MATERIALS AND SAND AND GRAVEL PITS



SCALE



EXPLANATION

- Generally unsuitable as source of granular material
- PEAT, MUCK, AND ALLUVIAL AREAS**
- a - peat and silty to sandy peat and muck in swamps; underlain by silt, sand, gravel, or till corresponding to surrounding material.
 - al - silty and sandy alluvium; chiefly recent flood deposits along lowlands of Taunton and Housatonic rivers and their tributaries.
- AREAS IN WHICH SAND PREDOMINATES**
- 1 - sand and very fine sand, underlain in places by silt and clay; laid down as lake or pond deposits in temporary water bodies.
 - owf - sand of variable texture, including subordinate pebble gravel; deposited by glacial streams as outwash plains, terraces, low fans, and irregular flat to rolling areas.
- AREAS OF MIXED SAND AND GRAVEL**
- ow - gravel and sand, some silt lenses; well-stratified deposits laid down by glacial streams as outwash plains, terraces, and some more irregular forms.
 - kt - gravel and sand; deposited as a kame terrace between an ice mass and a valley wall.
 - kp - sand with subordinate gravel; deposited as flat-topped hills of well-stratified drift entirely surrounded by ice-contact slopes; kame plains.
 - k - sand with subordinate gravel; deposited by melt-water streams as knobby to irregular hills and hummocks called kames and kamefields.
 - io - coarse gravel and sand, extremely variable texture including numerous large boulders; ice-channel fillings laid down as stream beds on, in, or under the ice; includes eskers and crevasse fillings.
- Chief areas of fine-grained granular material
- Chief areas of coarse granular material

Areas of granular material of variable texture

TILL AREAS

- ga - till (ground moraine); a heterogeneous deposit of mixed boulder to clay sizes, known locally as "hardpan", generally overlain by a few inches to a few feet of fine textured wind-blown sand ("loam").

BEDROCK

- ri - bedrock or "ledge", or the Rhode Island formation, composed of gray sandstone, black shale, or pebble conglomerate.

Artificial fill (af)

Approximate unit boundary

Probable unit boundary

Sand and gravel pits active and inactive

Commonwealth of Massachusetts
Department of Public Works
U. S. Department of the Interior
Geological Survey
Cooperative Geologic Project

203 (214) accompanied
M39cm
(Taunton-Bridgewater)

This report has been prepared for open file only, and has not been edited for conformity with U. S. Geological Survey standards and nomenclature.

